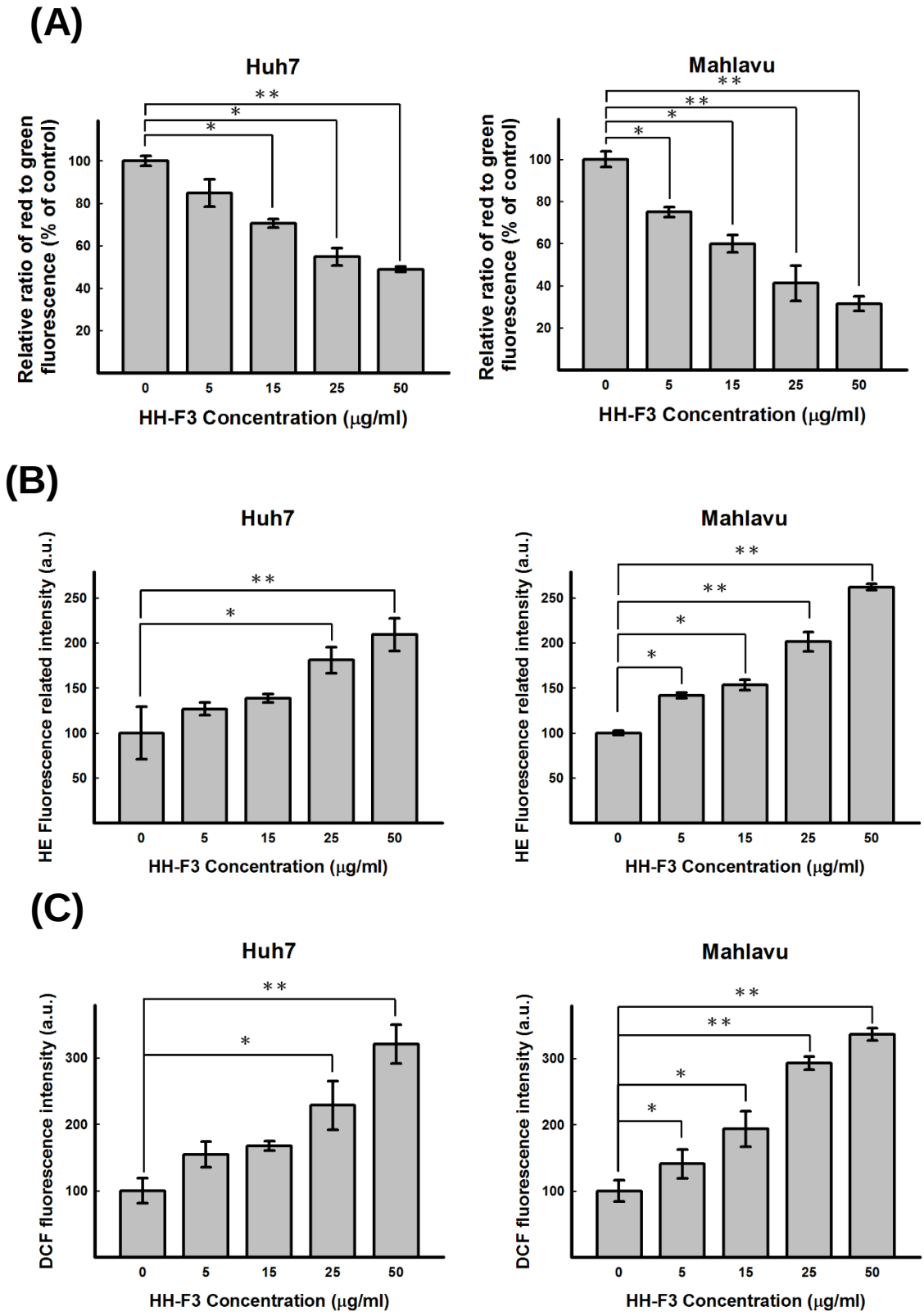
(A)
Huh7
Mahlavu
Relative ratio of red to green fluorescence (% of control)
HH-F3 Concentration (μg/ml)
(B)
HE Fluorescence related intensity (a.u.)
(C)
DCF fluorescence intensity (a.u.)

S3 Fig. The HH-F3 fraction decreases mitochondrial membrane potential and increases ROS generation in HCC cell lines.

(A) The mitochondrial membrane potential (ΔΨ) in Huh7 and Mahlavu cells was analyzed using the JC-1 fluorescence probe. The ΔΨ was lower in the cells treated with 5, 10, 15, 25 and 50 μg/ml of the HH-F3 fraction for 24 hrs than in the control HCC cells (treated with 0.1% DMSO) (n =5). Relative ratio of red to green fluorescence = ΔΨ. (B) Intracellular superoxide (O_2^-) levels were measured by hydroethidine (HE) staining. Superoxide levels increased 24 hrs after treatment with HH-F3 (n =3). (C) Intracellular peroxide levels were measured by DCFH fluorescence. Peroxide levels increased 24 hrs after treatment with HH-F3 (n =5). *P < 0.05, **P < 0.005